

## IREB CPRE Foundation

Duration: 3 Days Course Code: IREBF

### Overview:

This 3-day International Requirements Engineering Board (IREB) course prepares you for the Certified Professional for Requirements Engineering (CPRE) Foundation examination.

In order to successfully implement a change or project, it is essential to have a complete and accurate set of requirements. Various studies (including the Chaos Report by the Standish Group) have shown that success depends on the proper handling of requirements and stakeholder involvement.

To increase the chances of success, this is an important task for the Requirements Engineer (including Information/Business Analysts, Requirements Managers) and other stakeholders who have an interest in requirements (including Functional Application Management, testers). Global Knowledge offers a number of training courses and follows the international certification programme of the IREB: the Certified Professional for Requirements Engineering.

### Target Audience:

Requirements Engineers Requirements Managers Informatie/Business analisten Functioneel ontwerpers Testers Functioneel Beheerders Architecten

### Objectives:

- The participant learns to delineate and formulate the scope in order to get and keep grip on the intended changes. To this end, he/she learns the necessity of involving the right stakeholders in the collection (elicitation), recording and evaluation of the requirements. Conflicts between requirements and stakeholder interests can be identified and resolved. The requirements engineer is after all the pivot between the business and the ICT for the realization of their objectives.
- what techniques there are to collect (elicit), analyze, record and validate requirements
- How requirements engineering can recognize and resolve problems and conflicts.
- How requirements are managed during their life cycle
- **After the training the participant is familiar with the following:**
  - the concepts and terms used in the field what the importance of requirements and the role of the stakeholder are

### Prerequisites:

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### Testing and Certification

The exam is optional. It lasts 75 minutes and is multiple-choice. If your score is over 60%, you have passed. The Foundation level certificate is valid indefinitely. The price of the exam is € 310 (not included in the price of the training course). If you want to take the exam, you can indicate this during the course booking. The exam can then be taken at a later date.

### Follow-on-Courses:

- IREBA-EC - IREB CPRE Advanced Level: Elicitation & Consolidation
- IREBA-M - IREB CPRE Advanced Level: Requirements Modeling
- IREBA-REA - IREB CPRE Advanced Level: Requirements Engineering @ Agile

## Content:

The following topics are covered and skills are taught. The material is taught by specialists in the field and is frequently practised with practical assignments. In addition, the manner and type of questions that the participant may expect at the exam are trained.

- Introduction and foundations: Importance of requirements, concepts and terms, characteristics of the Requirements Engineer, the 4 core activities of Requirements Engineering, etc.
- System and system context: Scoping of system/project, context diagram, Quality Requirements (non-functionals), etc.
- Requirements elicitation: Stakeholder selection, methods and techniques to elicit requirements from stakeholders, etc.
- Requirements documentation: Modes of Requirements documentation, quality criteria of the Requirements documentation, etc.
- Documentation of Requirements using Natural Language: Specification of Requirements in natural language (text), quality criteria of the individual Requirement, etc.
- Model based requirements documentation: Specification of requirements by means of models, UML modelling, ERD modelling, state diagrams, etc.
- Requirements validation and negotiation: Check Requirements to see if the right solution is described, negotiate conflicting requirements, etc.
- Requirements management: Managing Requirements during their life cycle, Change Control Board, etc.
- Tool support: Properties of a RE tool, selection and implementation, etc.

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## Additional Information:

The material consists of the book 'Requirements Engineering Fundamentals' published by IREB. In addition, the participant receives a training folder with handouts of the slides, assignments and elaborations, background articles, IEEE standards, etc.

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## Further Information:

For More information, or to book your course, please call us on 0800/84.009

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